

# hf Happenings

No 508

June 2012

Where would one find these providers of electricity?

The photograph in HF Happenings 507 - Llandaff Oratory is an oratory in Van Reenen. Maynard Mathews built the oratory in memory of his son Llandaff Mathew who died while saving the lives of 8 co-workers at the Burnside Colliery mine on 19 March 1925.

Initially Maynard Mathews wanted to erect a plaque in honour of his son at the Roman Catholic Church in Ladysmith, but could not secure permission to do so. Determined that a memorial to his son will be placed in a church, Maynard decided to build his own, have it consecrated a Catholic church and become a priest himself (*he was ordained into the Order of St Dominic on 7 May 1926*).

The oratory seats just eight people, apparently the same number of people Llandaff saved in the mine accident and is architecturally based on a wing of the Cardiff Cathedral in Wales. The Llandaff Oratory is a National Monument. S 28° 22.612 E 029° 22.715

Pam, ZS6APT, and Vincent, ZS6BTY, your are spot on.

South African Radio League  
Suid-Afrikaanse Radioliga

Member Society of the International Amateur Radio Union since 1925

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[http://groups.yahoo.com/group/HF\\_Happenings](http://groups.yahoo.com/group/HF_Happenings)

## Square Kilometre Array to Feature on the Next Intecnet

Prof Justin Jonas of the SKA team will be the guest on the next Interactive Technical Net (INTECNET) on Sunday 17 June 2012. The net will start at 19:30 CAT. Prof Jonas will talk about what part of the SKA will come to South Africa and highlight the science that will be carried out. He will also participate in an interactive session and answer questions from radio amateurs around the country.

Clubs wishing to link their repeater to the Intecnet interactive audio stream are invited to send details of their landline number to [artoday@sarl.org.za](mailto:artoday@sarl.org.za).

## Youth Day Event - 16 June

The SARL has an agreement with ICASA that will allow unlicensed persons to operate an amateur radio station under the supervision of a licensed radio amateur without the need to register as an educational station. Here is further incentive to set up a demonstration station,

Why not give QRP contesting a try during the next couple of weekends?





involve the youth in the Youth Day Sprint and show the man in the street how great amateur radio is.

Clubs and individuals setting up a demonstration of amateur radio in a public area as part of National Amateur Radio Day are invited to order brochures from the NARC. A new metal pin badge is also available in limited quantities to be handed to young people visiting and operating a special event station. Visit [www.sarl.org.za](http://www.sarl.org.za) for more details. Please send details of what you or your club are planning for 16 June 2012 to [artoday@sarl.org.za](mailto:artoday@sarl.org.za) so that it may be included in the media releases and radio interviews.

## DXCC News

Bill Moore, NC1L, ARRL Awards Manager reports that the 2012 XX9E operation from Macao has been approved for DXCC credit. (Thanks Tjerk, ZS6P)

## Line-Loss Modelling

Jim, K9YC, has discovered a line-loss modelling programme called SimSmith, a Java application written by Ward, AE6TY, with documentation available from the program's website. One application is translating impedance measured at the shack end of a feed line to impedance at the antenna. The resulting SWR data can then be used to design matching networks, for example.

Visit [http://www.ae6ty.com/Smith\\_Charts.html](http://www.ae6ty.com/Smith_Charts.html)

## Moxon 40 metre models

Tim, K3LR, reports that, "W6NL has sent me an update to his original work. It is labelled as - Updated Moxon document 2012 and W8WWV has contributed a wonderful paper on various NEC model results of the W6NL 2-element 40 metre Moxon. It is labelled as - W8WWV investigates W6NL Moxon 40 meter models. You can find all four posted documents relating to the W6NL Moxon in the *Station Engineering* folder of K3LR at <http://www.k3lr.com/> "

## Slim Jim antenna calculator & Slim Jim information

Visit [http://www.mOukd.com/Calculators/Slim\\_Jim/index.php](http://www.mOukd.com/Calculators/Slim_Jim/index.php) for information on Slim Jim antennas and use the calculator to determine the measurements to build an antenna. (Thanks Jan, ZS6ZYM)

## African DX

Angola, D2. Mike, UA1QV is active as D3AA from Catoca. Activity is on the HF bands. QSL to home call.

## African Islands

### June

2 – Feast of Shiraz and Charcuterie, Hartenberg Wine Estate; Skilpadfees, Florisbad

3 – 2012 Comrades Marathon  
2 and 3 – topCar Gauteng Motor Show, Zwartkops

5 – World Environmental Day

6 – Transit of Venus

7 to 10 – Wacky Wine Weekend, Robertson Valley

9 – First Ascent Big Induna Mountain Biking Classic, Hazyview

15 to 17 – Cape Town Book Fair

16 – Youth Day

16 – SA Amateur Radio Day; Youth Day Contest

17 – Father's Day; World QRP Day

21 to 25 – SARL Top Band QSO Party

22 – Schools close

22 to 24 – Ham Radio 2012, Friedrichshafen

28 to 8 July – National Arts Festival, Grahamstown

29 – 8 July – East Coast Radio House and Garden Show, Durban





St. Helena, ZD7. Bruce, ZD7VC is usually active on 20, 17, 15 and 6 metres between 17:00 and 22:00 UTC most days. QSL direct to home call.

## Special Event Stations

Australia. 2012 is the Centenary of the Wireless Institute of Australia being established in the State of Queensland, Australia. A special Centenary call sign, VK100WIQ, will be activated from 1 June through to 31 July by way of the WIA affiliated radio clubs in Queensland. There is also a Centenary QSL card and a Centenary award available. Details of the QSL card and award can be found at: [www.wia.org.au/](http://www.wia.org.au/) and [www.grz.com/db/VK100WIQ](http://www.grz.com/db/VK100WIQ)

France. F/ON6JUN/P will be activated from 1 to 7 June 2012 from Ranville (Calvados) base, nearby the Pegasus bridge, Normandy, France to commemorate the 67<sup>th</sup> anniversary of D-Day. The special event station will be on-air on all major bands from 1 June until 07 June; modes will be CW, SSB and digimode RTTY, PSK31 even higher to PSK125. Operators will be Willy, ON4LBV, Xavier, ON4ALY, Fernand, ON6UF, and Gaston, ON6FC. QSL via ON5SD. Further information can be found at [users.skynet.be/on6jun/fon6junp.htm](http://users.skynet.be/on6jun/fon6junp.htm)

France. After a dispute with his boss Guglielmo Marconi, Roberto Clemens Galletti di Cadilhac (1879 - 1932) built up his own transmitting station 100 years ago. The special call sign TM6GAL is active until 10 June to commemorate his achievements. QSL via F6HQP. Visit the web page for more information <http://ed73.ref-union.net/ed/>

Poland and Ukraine. "European Football Championship 2012 on the Air" is an on-the-air activity, which promises to be a great deal of fun, organized by Polish and Ukrainian amateurs affiliated with PZK and UARL. From 1 June to 5 July 2012, there will be numerous special event stations active on the air. They will be operating concurrently with the 2012 European Football Championship, which this year is organised jointly by Poland and Ukraine. Stations to be active are - PZK: SN2012PZPN, HF2012EFC, 3Z2012EFC, SN20126D, SN2012PO, SN2012WA, SN2012WR; and UARL: EM2012EFC, EN2012EFC, EO2012EFC, EN2012L, EN2012I, EN2012W, EN2012U. Other special events stations will include HF2012BGS, HF2012EUPP, HF2012EURO, SN2012EB, SN2012EURO, SN2012FUD, SN2012RKK, SN2012UEFA, SN4EFC, 3Z2012RKT, HF2012KV and 3Z2012YRY. Further details, including QSL information, online logs and several awards can be found at [www.efc2012.pzk.org.pl](http://www.efc2012.pzk.org.pl)

Italy. Members of the Italia ARAS (Amateur Radio Society - [www.arasitalia.org](http://www.arasitalia.org)) of Pedara, Catania, and the ARI (Associazione Radioamatori Italiani - [www.ari.it](http://www.ari.it)), will activate special event station II9AS to remember the 40<sup>th</sup> anniversary of first flight of the famous Anti-Submarine Aircraft employed by NATO, Breuget BR 1150 "Atlantic" between 6 and 9 June. Operators mentioned are Marco, IT9JPW, Michele, IW9HPW, and some other IT9 operators. Look for the ARI team to be active from the Air Base Station of Sigonella in Catania between 06:00 and 18:00 UTC on 9 June. Activity will be on 40 - 10 metres using CW and SSB, and operating a couple of stations. A special QSL card will be available via IT9JPW.

England. Look for GBOAFD (Armed Forces Day) to be active on Sunday 1 July, to commemorate the UK's Armed Forces Day with the local Veterans Association. The large event will be held in Alexandra Park, Hastings, Sussex together with all local associations. They hope that many ex-Servicemen Operators from RNARS, RAFARS and the Royal Signals Association will give them a call and help build up interest for the public attending the event. Their intended operating





bands will be on 80, 40, 20 and 30 metres using SSB or CW or PSK31. Depending on conditions other bands may be tried. They will have a Linear 300/400 W using wire dipoles; they will also monitor 2 and 6m CW or SSB. Their times of operations are from 10:00 until 16:00. They would welcome any schedules -- just contact Tony, G4KLF, QTHr.

European Russia. Look for club station RK3VWA to operate with the special call sign R1150V between now and 31 August. Activity is to celebrate the 150<sup>th</sup> anniversary of the birth of the Russian statehood. Additional information about days of activities and other events will be published on the web site at <http://www.r3v.ru>

## A true story

When I was in the Army, my best friend knew Morse Code. One evening we went to a show where there was a tap-dancer. My friend went crazy!

## Contest Calendar

This week's contests compiled by Bruce Horn, WA7BNM. The period covered is 4 to 10 June 2012.

RSGB 80 m Club Championship, Data

19:00 - 20:30 UTC 4 June

Mode: RTTY, PSK

Bands: 80 m Only

Classes: (none)

Exchange: RST and serial no

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: (see rules)

Submit logs by: 23:59 UTC 11 June 2012

Upload log at: <http://www.vhfcc.org/cgi-bin/hfenter.pl>

Mail logs to: (none)

Find rules at: <http://www.rsgbcc.org/hf/rules/2012/r80mcc.shtml>

ARS Spartan Sprint

01:00 - 03:00 UTC 5 June

Mode: CW

Bands: 80, 40, 20, 15, 10 m

Classes: Skinny; Tubby

Max power: 5 watts

Exchange: RST, state, province or country and power

Work stations: Once per band

Submit logs by: 7 June 2012

E-mail logs to: [spartansprint@yahoo.com](mailto:spartansprint@yahoo.com)

Mail logs to: (none)

Find rules at: [http://adventure-radio.org/wiki/index.php?title=Spartan\\_Sprint\\_Rules](http://adventure-radio.org/wiki/index.php?title=Spartan_Sprint_Rules)

NCCC Sprint Ladder

02:30 - 03:00 UTC 8 June

Mode: CW







Bands: 160, 80, 40, 20, 15 m

Classes: Single Op

Max power: 100 watts

Exchange: (see rules)

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KL7 and KH6) once per band; Each VE province once per band; Each North American country (except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 10 June 2012

E-mail logs to: (none)

Post log summary at: <http://www.hornucopia.com/3830score/>

Mail logs to: (none)

Find rules at: <http://www.ncccsprint.com/rules.html>

#### DRCG Long Distance RTTY Contest

00:00 - 07:59 UTC and 16:00 - 23:59 UTC 9 June and 08:00 - 15:59 UTC 10 June

Mode: RTTY

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op; Single Op 6 Hours; Single Op Unlimited; Multi-Single; SWL

Exchange: RST, CQ Zone no and 4-digit time (UTC)

Work stations: Once per band

QSO Points: (see rules)

Multipliers: Each VK, VE, JA and W call area and each DXCC country (other than VK, VE, JA, W) once per band; each continent once

Score Calculation: Total score = total QSO points x total country/call area mults x total continent mults

Submit logs by: 1 August 2012

E-mail logs to: [ldc@drcg.de](mailto:ldc@drcg.de)

Mail logs to: (none)

Find rules at: [http://drcg.de/index.php?option=com\\_content&task=view&id=124&Itemid=84](http://drcg.de/index.php?option=com_content&task=view&id=124&Itemid=84)

#### GACW WWSA CW DX Contest

15:00 UTC 9 June to 15:00 UTC 10 June

Mode: CW

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op All Band - QRP, low or high; Single Op Single Band - QRP, low or high; Multi-Single; Multi-Multi

Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts

Exchange: RST and CQ Zone No.

QSO Points: 0 points per QSO with same country; 1 point per QSO with different country, same continent; 3 points per QSO with different continent; Non-SA stations: 5 points per QSO with South America

Multipliers: Each CQ zone once per band; each country once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 30 July 2012

E-mail logs to: [logs@wwsatest.org](mailto:logs@wwsatest.org)

Mail logs to: GACW DX Contest, PO Box 9, B1875ZAA Wilde, Buenos Aires, Argentina

Find rules at: <http://www.wwsatest.org/basesingles.htm>





## Next Week's Contests

### NAQCC Straight Key/Bug Sprint

00:30 - 02:30 UTC 13 June

Mode: CW

Bands: 80, 40, 20 m

Classes: (none)

Max power: 5 watts

Exchange: RST, state, province or country and NAQCC no or power

Work stations: Once per band

QSO Points: 1 point per QSO with non-member; 2 points per QSO with member

Multipliers: Each state, province, or country once

Key Type Mult: 2 x if straight key, 1.5 x if bug, 1 x if other

Score Calculation: Total score = total QSO points x total mults x key type mult

Submit logs by: 23:59 UTC 16 June 2012

E-mail logs to: [naqcc33@windstream.net](mailto:naqcc33@windstream.net)

Upload log at: <http://naqcc.info/sprintlog.html>

Mail logs to: John Shannon, K3WWP, 478 E. High St., Kittanning, PA 16201, USA

Find rules at: <http://naqcc.info/sprint201206.html>

### CWops Mini-CWT Test

13:00 - 14:00 UTC and 19:00 - 20:00 UTC 13 June and 03:00 - 04:00 UTC 14 June

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high

Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts

Exchange: Member: Name and member no; non-Member: Name, state, province or country

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each call once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 04:00 UTC June 16, 2012

Post log summary at: <http://www.hornucopia.com/3830score/>

Mail logs to: (none)

Find rules at: <http://www.cwops.org/onair.html>

### NAQCC-EU Monthly Sprint

18:00 - 20:00 UTC 13 June

Mode: CW

Bands: 80, 40, 20 m

Classes: Single Op

Max power: 5 watts

Exchange: RST, country and NAQCC no or power

Work stations: Once per band

QSO Points: 1 point per QSO with non-member; 2 points per QSO with member

Multipliers: Each country in Europe; First country in each continent worked other than Europe

Key Type Mult: 2 x if straight key, 1.5 x if bug, 1 x if other

Score Calculation: Total score = total QSO points x total mults x key type mult





Submit logs by: 20:00 UTC 16 June 2012

E-mail logs to: [submitlog@naqcc-eu.org](mailto:submitlog@naqcc-eu.org)

Upload log at: <http://www.naqcc-eu.org/autologger/>

Mail logs to: M Ireland, MW3YMY, Pen-y-Gadlas, Ffordd Bryniau , Meliden, Prestatyn, Denbighshire LL19 8RD, UK

Find rules at: <http://naqcc-eu.org/SprintHelp/SprintRules.pdf>

RSGB 80 m Club Championship, CW

19:00 - 20:30 UTC 13 June

Mode: CW

Bands: 80 m Only

Classes: (none)

Exchange: RST and serial no

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: (see rules)

Submit logs by: 23:59 UTC 20 June 2012

Upload log at: <http://www.rsgbcc.org/cgi-bin/hfenter.pl>

Mail logs to: (none)

Find rules at: <http://www.rsgbcc.org/hf/rules/2012/r80mcc.shtml>

NCCC Sprint Ladder

02:30 - 03:00 UTC 15 June

Mode: CW

Bands: 160, 80, 40, 20, 15 m

Classes: Single Op

Max power: 100 watts

Exchange: (see rules)

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KL7 and KH6) once per band; Each VE province once per band; Each North American country (except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 17 June 2012

E-mail logs to: (none)

Post log summary at: <http://www.hornucopia.com/3830score/>

Mail logs to: (none)

Find rules at: <http://www.ncccsprint.com/rules.html>

West Virginia QSO Party

16:00 UTC, Jun 16 to 0200Z, Jun 17

Mode: CW, SSB, Digital

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op (Fixed)(CW/SSB/Digital/Mixed)- QRP, low or high; Multi-Multi (Fixed)(CW/SSB/Digital/Mixed)- QRP, low or high; Mobile (CW/SSB/Digital/Mixed)- QRP, low or high

Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts CW, 10 watts phone

Exchange: WV: RS(T) and county; non-WV: RS(T) , state, province or country

Work stations: Once per band per mode





QSO Points: 2 points per SSB QSO with WV mobile; 3 points per CW QSO with WV mobile; 1 point per SSB QSO with fixed; 2 points per CW QSO with fixed

Bonus: 100 points per QSO with W8WVA; WV Mobile Bonus: 100 points for each county activated; Fixed Station Bonus: 100 points for working a WV mobile in at least 5 counties

Multipliers: WV Stations: Each WV county, state, VE province, DXCC country once; non-WV Stations: Each WV county once

Score Calculation: Total score = (total QSO points x total mults) and bonus points

Submit logs by: 18 July 2012

E-mail logs to: [wvqblogs@gmail.com](mailto:wvqblogs@gmail.com)

Mail logs to: Jeffrey Woods, 123 Gladesville Cemetery Rd., Independence, WV 26374, USA

Find rules at: <http://www.qsl.net/wvsarc/wvqp/wvqp.html>

SARL Youth Day Sprint

0800 - 10:00 UTC 16 June

Mode: SSB

Bands: 40 m

Classes: (none)

Exchange: RS report and operators age

Submit logs by: 23 June 2012

E-mail logs to: [youthsprint@sarl.org.za](mailto:youthsprint@sarl.org.za)

Mail logs to: SARL Youth Day Sprint, PO Box 1049, Kathu, 8446

Find rules at: <http://www.sarl.org.za/contests.asp> or 2012 SARL Contest Manual

ARRL Kid's Day Contest

18:00 - 23:59 UTC 16 June

Mode: SSB

Bands: 80, 40, 20, 17, 15, 12, 10, 2 m repeaters

Classes: (none)

Exchange: Name, age, QTH and favourite colour

Submit logs by: 16 July 2012

E-mail logs to: (none)

Mail logs to: (see rules)

Find rules at: <http://www.arrl.org/kids-day>

Feld Hell Sprint

20:00 - 22:00 UTC 16 June

Mode: Feld Hell

Bands: 10 m Only

Classes: (none)

Max power: Standard: 100 watts; QRP: 5 watts

Exchange: (see rules)

Work stations: Once per band

QSO Points: (see rules)

Bonus Points: (see rules)

Multipliers: (see rules)

Score Calculation: (see rules)

Submit logs by: 23 June 2012

E-mail logs to: [kj8o@wowway.com](mailto:kj8o@wowway.com)

Mail logs to: (none)







Find rules at: <http://sites.google.com/site/feldhellclub/Home/contests/sprint-rules>

### Run for the Bacon QRP Contest

01:00 - 03:00 UTC 18 June

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Band; All Band

Max power: 5 watts

Exchange: RST, state, province or country and member no or power

Work stations: Once per band

QSO Points: 1 point per QSO with non-member; 3 points per QSO with member on same continent; 5 points per QSO with member on different continent

Multipliers: Each state, province or country once; Multiply mults by 2 if >50 members worked

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 24 June 2012

E-mail logs to: (none)

Upload log at: <http://fpqrp.org/pigrun/autolog.php>

Mail logs to: (none)

Find rules at: <http://fpqrp.org/pigrun/>

## History This Week

A look back at events that made history this week - compiled by the Summerland Amateur Radio Club of Lismore, NSW and Dennis, ZS4BS. The week starting Monday 4 June 2012.

- 780 BC - First total solar eclipse reliably recorded by Chinese (4 June)
- 1070 - Roquefort cheese created in a cave near Roquefort, France (4 June)
- 1456 - 23<sup>rd</sup> recorded perihelion passage of Hailey's Comet (9 June)
- 1752 - Ben Franklin's kite is struck by lightning - what a shock! (10 June)
- 1770 - Capt Cook runs aground on Australian Great Barrier Reef (11 June)
- 1783 - The first unmanned hot-air balloon ascent - flew for ten minutes, by the Montgolfier brothers (4 June). Joseph and Jacques Montgolfier make first balloon flight (5 June)
- 1786 - First commercially made ice cream sold in New York (8 June)
- 1822 - Charles Graham patents false teeth (9 June)
- 1824 - Washing machine patented by Noah Cushing of Quebec (8 June)
- 1848 - First telegraph link between New York City and Chicago (10 June)
- 1849 - Gas mask patented by Lewis Haslett, Louisville, Ky (12 June)
- 1850 - Levi Strauss made his first blue jeans (6 June)
- 1882 - Electric iron patented by Henry W. Seely, NYC (6 June)
- 1883 - First commercial electric railway line begins operation in Chicago (9 June)
- 1907 - Automatic washer and dryer introduced (4 June)
- 1912 - US army tests first machine gun mounted on a plane (7 June)
- 1929 - George Eastman demonstrated the first Technicolor movie in Rochester, NY (4 June)
- 1936 - Parking meter invented (8 June)
- 1977 - First personal computer, the Apple II, goes on sale (5 June)

Items used with acknowledgement to The ARRL Letter, Amateur Radio Newslines, OPDX Bulletin, 425 DX Bulletin, DXNL Bulletin, ARRL DX News, WIA-News, the RSGB News and Southgate ARC

"I took my mother-in-law to Madame Tussard's Chamber of Horrors, and one of the attendants said, 'Keep her moving sir, we're stock-taking'."

Why not give QRP contesting a try during the next couple of weekends?

